



2014 CATALOG



UNINTERRUPTIBLE POWER SUPPLY

www.powerwalker.com



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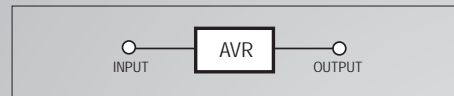
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AVR |Series

AVR TECHNOLOGY

The AVR system ensures a steady and constant power supply by automatically regulating the voltage at the appropriate level by the decline during the surge or the increase when voltage drops in the power line.

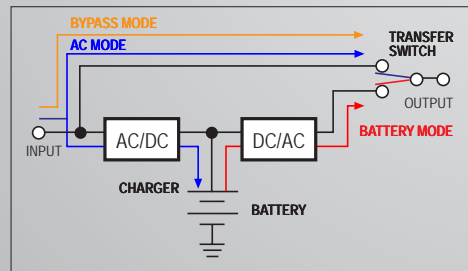


The AVR is designed to prevent damage to electrical equipment sensitive to voltage variations, such as domestic electrical equipment (TV, monitors, game consoles, audio / video equipment, telephony, etc.), prolonging the life of these.

VFD |Series

OFF-LINE TECHNOLOGY

PowerWalker VFD (Voltage and Frequency Dependent) Series protect your computer equipment against power outages. It is equipped with overload and over discharge protection of battery, and overload at the output. It is reliable and has high performance with very low costs. PowerWalker VFD Series switches to battery



mode when the input voltage is not within the acceptable nominal voltage range. If the voltage returns to normal, the UPS will return to AC power. It is a simple and affordable solution for protecting your computer equipment. Furthermore, its design is very compact.

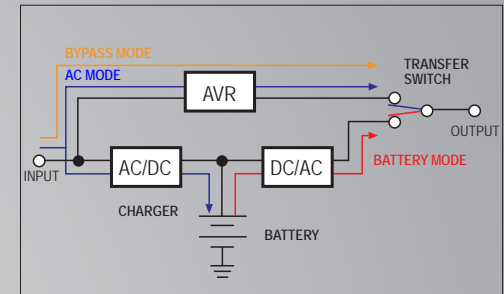
LINE-INTERACTIVE TECHNOLOGY

The VI (Voltage Independent) Series of PowerWalker ensures stable and consistent power supply, thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. VI prevent from electrical damage to both professional and consumer electronic equipments.

AVR function also increases the lifespan of the battery. When the voltage is outside the acceptable range ($\pm 10V$ Nominal Voltage) the AVR will adjust the voltage at nominal value without having to go into battery mode. In case of exceeding the range of acceptable input voltage, the UPS switches to battery mode directly to prevent cuts and the consequent damage to the equipment connected to the output.

VI have a USB and most models also Serial (RS-232) port to connect the unit to a large number of

VI |Series



operating systems for maintenance and monitoring of voltage, power, battery status, programmed off, etc..

VI Series are specially designed to deliver a professional performance with medium loads at the output and very good value-cost relationship.

VFI |Series

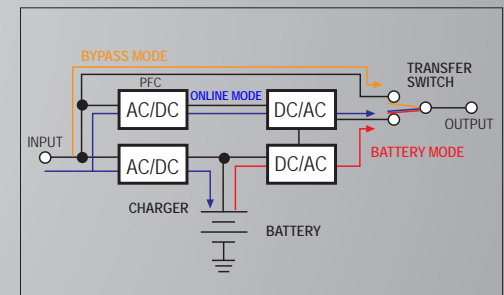
ON-LINE TECHNOLOGY

VFI (Voltage and Frequency Independent) Series of PowerWalker always provide clean of imperfections electric power thanks to the implementation of the On-Line technology.

VFI (Voltage and Frequency Independent) Series of PowerWalker are built with On-Line True Double Conversion Technology. In the first phase of conversion, the AC power at the input of the UPS becomes DC power. Then in the second phase, DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical current input and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time, in case of a total power failure at the entrance. In addition, the VFI Series of PowerWalker provide more reliable voltage regulation, with its tolerance between 1% and 3% of the nominal value.

VFI Series of PowerWalker have an USB and a Serial (RS-232) port to connect the unit to a large number of operating systems for maintenance, monitoring of voltage, power, battery status, shutdown programming, etc.



VFI Series of PowerWalker are specially designed for all professional applications. Especially for Industrial Applications, Data Processing Center (DPC), Cloud Computing, High Power Applications, Financial Services, Medical Centers, Critical Applications in general, etc..

Home/SMB UPS/Inverter

1000VA

2000VA

3000VA

5000VA

Inverter | Series



600/650VA

750/800/850VA

1000VA

1200/1500VA

2000/2200VA

VFD | Series

Standby/Off-line



VI LED | Series

Line Interactive



VI LCD | Series

Line Interactive



VI LCD | Series

Line Interactive Pure Sine Wave



600VA

800VA

750VA

600/650VA

750/800/850VA

1000VA

1200/1500VA

2000/2200VA

Inverter 1000/2000



- 1000VA/2000VA Inverter
- Schuko outlet
- Rack/Tower design
- Built-in 10A super charger
- Off mode charging
- High Frequency design
- User selectable for accepting wider input voltage range
- Full automatic and silent operation
- 3-steps intelligent charging control to reduce recharging time
- Compact size for convenient use and storage



The 1000/2000VA Inverter/Charger system converts DC power to AC power with amazing transfer efficiency. Appliances such as TVs, stereos, notebook computers can be connected for the uninterrupted power. When encountering utility power failure, this series will transfer

from "LINE mode" to "Inverter mode" for acquiring the power from battery supply. With the continuous output and compact design, this series is perfect for any home or SMB (small medium business) environment.

Inverter 1000/2000



Inverter 3000 PSW / 5000 PSW



3000 PSW

- 3000VA/5000VA Inverter with Pure Sine Wave
- High Performance Long Backup Power Solution
- Built-in 20A/25A super charger
- LCD display for status view and Inverter settings
- Isolated Input/Output design for max. safety operation
- Pure Sine Wave for wide range of applications and harsh environment
- High-frequency switching technology for compact size and light weight
- Configurable: Input Type, Output voltage, Battery type, charging current
- Fulfil the demands of heavy-duty industrial environment.
- High efficient (>90%) DC-to-AC conversion
- High Efficiency PFC charger design
- Low power "Power Saving Mode"
- High power density design (up to 385W/dm³)
- Protection: Input low/over voltage, Overload,
- Low battery alarm, Short circuit, Over temperature



5000 PSW

The 3000/5000VA Pure Sine Wave Inverter/Charger system adopts superior features and is designed with the highest standards in the industry. The high frequency structure reduces the size and achieves the highest power density in the market. Comprehensive LCD display provides system status, and user-friendly panel eases program settings. Designed for diverse applications, this 3000/5000VA Inverter promises to fulfil the demands from any home or SMB to heavy-duty industrial environment.

Inverter 3000/5000 PSW



Applications

Inverter 1000/2000 - 3000/5000PSW

Application Examples Inverter 1000/2000

Typical Installation

Optional Input Power Source can be Generator, Photovoltaic, Wind, Hydro

Home Entertainment
74cm TV
Cassette/CD/Radio – Portable Radio
Etc.

Office Equipments
Notebook
Modem/Router
Etc.

Home Appliances
FAN
Etc.

Lighting
Lights – Energy Saver
Lights – Standard Bulbs
Lights – Fluorescent Tube
Etc.

Application Examples Inverter 3000/5000 PSW

Typical Installation

Optional Input Power Source can be Generator, Photovoltaic, Wind, Hydro

Office Equipments
Notebook
Printer
Fax/Copier/Printer/Scanner
Modem/Router
Etc.

Home Appliances
FAN
Air Conditioner
Filter Coffee Maker
Fridge/Freezer
Microwave
Vacuum Cleaner
Washing Machine
Frying Pan
Electric Oven Grill
Blender
Gate Motor
Garage Motor
Tank Pump
Etc.

Home Entertainment
VCR
DVD Player
74cm TV
30" LCD screen
HIFI 20 Watt Speakers
Cassette/CD/Radio – Portable Radio
Portable Telephone
Etc.

Lighting
Lights – Energy Saver
Lights – Standard Bulbs
Lights – Fluorescent Tube
Etc.

MODEL	1000VA	2000VA	3000PSW	5000PSW
Power	1000VA / 600W	2000VA / 1200W	3000VA / 2400W	5000VA / 4200W
INPUT				
Voltage	220/230/240VAC			
Voltage Range	170-280VAC (Narrow Range) 90-280VAC (Wide Range)			
OUTPUT				
Voltage	230VAC			
Voltage Regulation (Battery Mode)	+ 10 % / -18%		10%	10% RMS
Frequency	50 or 60Hz			
Freq. Regulation (Battery Mode)	± 0.5 Hz		± 0.1 Hz	
Waveform	Modified Sine Wave		Pure Sine Wave	
TRANSFER TIME				
Typical	20 ms		10ms (Input Setting NOR)	10ms
Max	40 ms		-	-
CHARGER				
Charger algorithm	Three stage profile (CC/CV/Floating) CC=Constant Current CV=Constant Voltage			
Charger current	10A ± 1A		20A ± 2A	25A @ 180~280V 20A @ 125~180V
DC Voltage	12V	24V	24V	48V
Overcharge Protection	16V ± 0.4V	30V ± 0.8V	30V	60V
Charger Power Factor	-			>0.95
BATTERY				
Type	12V	24V	24V	48V
Optional	Inverter is supplied without battery			
FULL PROTECTION				
Discharge	Yes			
Overcharge	Yes			
Overload	Yes			
Short circuit	Yes			
CONNECTIONS				
Outlets	Schuko	Schuko	Terminal outlet	Terminal outlet
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	224 x 255 x 80	224 x 255 x 80	294 x 269 x 76	407 x 350 x 110
Weight	2.3 kg	2.5 kg	4.9 kg	9.0 kg
Fan Control	AUTO OFF: in LINE mode (if charge current below 3A (±1A)) ON: in battery mode and line mode if charge current above 3A (±1A)			HEAT SINK TEMP 60% speed @ 55°C-78°C 100% speed > 78°C CHARGING MODE 60% Floating 100% CC or CV LOAD 60% @ 0-50% load 100% if ≥50% load (switch back to 60% if load ≤ 40%)
Noise Level	< 50dB		< 60dB	
ENVIRONMENT				
Temperature	0°C – 40°C		0°C – 45°C	
Humidity	0 – 90 % RH (non-condensing)		5 – 95 % RH (non-condensing)	

AVR |Series

Automatic Voltage Regulator

- Stabilizes the mains voltage
- voltage Regulation through AVR
- Surge protection on phone line and modem
- 3 Schuko type outlets
- Compact and lightweight

AVR Series ensures a steady and constant power, automatically regulating the voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line.

The AVR is designed to prevent damage in any electrical equipment sensitive to voltage variations, such as domestic electrical equipment (TV, monitors, game consoles, audio / video, telephony, etc.), prolonging the life of those.

Also recommended to protect low-power industrial equipment.



AVR 600/1000/1200



MODEL	AVR 600	AVR 1000	AVR 1200
Power (VA)	600VA	1000VA	1200VA
Power (W)	360W	600W	720W
INPUT			
Voltage Range	180-264Vac		
Frequency	50Hz		
OUTPUT			
Voltage	230Vac \pm 10%		
Voltage Regulator (AVR)	\pm 8%		
Frequency	50Hz		
PROTECTION			
Protection	Output Overload, Shortcircuit, overheating		
LED INDICATORS			
AC mode	Green LED		
AVR (active)	Red LED		
CONNECTIONS			
Output	3x Schuko		
Protection Port	RJ11 in/out		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	166 x 161 x 86,7mm		
Colour	Black Colour		
Weight	1,7kg	1,9kg	2,1kg
ENVIRONMENT			
Temperature	0°C - 40°C		
Humidity	0 - 90% (non condensing)		
Noise level	< 40dB at 1 meter		
PACKAGE CONTENT			
	AVR PowerWalker 600, User Manual	AVR PowerWalker 1000, User Manual	AVR PowerWalker 1200, User Manual

VFD |Series

Standby/Off-line

- Off-Line Technology
- Supports full rating APFC power supplies
- 6 Schuko or French Schuko Type sockets
- Most economic back up solution
- Easy user-replaceable battery design

Equipped with a technique, that allows using the full power of the UPS, even when used with APFC power supply load this series offers a most economic back up solution.

Usually required oversizing of a UPS when connecting an APFC power supply is not needed with this series. This allows to choose smaller cost-effective UPS with lower purchase price and lower own power consumption that saves energy cost.

Equipped with 6 Schuko-Type outlets or 6 French Schuko-Type outlets (all with surge protection, 4 with battery backup) these models can be used like a power strip.

A special battery compartment enables an easy exchange of the rechargeable battery by the user.

VFD APFC 600/800

MODEL	VFD APFC 600	VFD APFC 800
Power (VA)	600VA	800VA
Power (W)	300W	420W
INPUT		
Voltage Range	170--270 Vac	
Nominal Voltage	230Vac	
Frequency	50Hz/60Hz	
OUTPUT		
Line Mode	Same as input	
Battery Mode	Step wave	
Line Mode Voltage	Same as input voltage	
Battery Mode Voltage	230Vac \pm 10%	
Line Mode Frequency	Same as input frequency	
Battery Mode Frequency	50Hz/60Hz \pm 1Hz	
Transfer time	2-8ms typical, 12ms Max	
BATTERY		
Type & Number	12V/5Ah*1	12V/7Ah*1
Backup time	100W SPS LOAD	
Recharge time	10 hours max. (Recharge to 90% Capacity)	
PROTECTION		
	TVSS / Over load / Short Circuit Protection/Over charge	
PHYSICAL		
Dimensions Depth x Width x Height (mm)	320*125*86(mm)	335*170*92.5(mm)
Weight	3.1kg	4.1kg
Outlets	Schuko type/French type 6 outlets (2 for surge only, 4 for battery backup)	
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 85%	



VFD |Series

Standby/Off-line



- Off-Line Technology
- Schuko type sockets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge protection on phone line and modem
- Highly compact and lightweight

PowerWalker VFD Series protect your computer equipment against power outages.

It is equipped with overload and over discharge protection of battery to prolong its life. It also protects against overload at the output. It has high performance and reliability with very low costs.

PowerWalker VFD Series switches to battery mode when the input voltage is outside the voltage range set. If the voltage returns to normal, the UPS will return to AC power.

It is a simple, compact and very affordable equipment to protect your computer and electronics.

MODEL	VFD 600	VFD 1000
Power (VA)	600 VA	1000 VA
Power (W)	300 W	600 W
INPUT		
Voltage Range	170-280Vac	
Frequency Range	50Hz	
OUTPUT		
Voltage	230Vac $\pm 10\%$	
Voltage Regulation (Battery Mode)	$\pm 10\%$	
Frequency	50Hz	
Frequency Regulation (Battery Mode)	$\pm 1\text{Hz}$	
Transfer Time	2-6 ms	
AC mode to Battery mode	Modified Sinewave	
Waveform (Battery Mode)	Output Overload	
Protection		
BATTERY		
Type	12V / 7Ah	
Quantity	1	2
Recharge Time	10h to 90% after complete discharge	
Protection	Battery Overload and Overdischarge	
CONNECTIONS		
Output	2x Schuko	3x Schuko
Protection Port	RJ11 in/out	
PRODUCT DETAILS		
Dimensions		
Depth x Width x Height (mm)	231 x 81 x 185	312 x 94 x 205
Weight	3,1kg	6,7kg
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	
Noise Level	< 40dB at 1 meter	

VFD |Series

Standby/Off-line



- Off-Line Technology
- IEC type sockets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery

PowerWalker VFD Series protect your computer equipment against power outages.

It is equipped with overload and over discharge protection of battery to prolong its life. It also protects against overload at the output. It has high performance and reliability with very low costs.

PowerWalker VFD Series switches to battery mode when the input voltage is outside the voltage range set. If the voltage returns to normal, the UPS will return to AC power.

It is a simple, compact and very affordable equipment to protect your computer and electronics.

Optional Accessories



VFD 600/800 IEC

MODEL	VFD 600 IEC	VFD 800 IEC
Power (VA)	600 VA	800 VA
Power (W)	360 W	480 W
INPUT		
Voltage Range	180-270Vac	
Frequency Range	50Hz	
OUTPUT		
Voltage Regulation	±10%	
Transfer Time	Typical 2-6 ms	
Waveform	Simulated Sine Wave	
BATTERY		
Type	12V / 7Ah	12V / 9Ah
Quantity	1	
Recharge Time	8 hours recover to 90% capacity	
CONNECTIONS		
Output	2x IEC	
PRODUCT DETAILS		
Dimensions	228 x 82.5 x 207	
Depth x Width x Height (mm)		
Weight (kg)	2,7	3,1
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	





IEC type

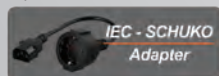
- Line-Interactive Technology
- Automatic Voltage Regulator (AVR)
- 2 Schuko / 2 French / 4 IEC Type outlets (650/850 VA)
- 2x IEC Type + 2x Schuko / 2 French or 6 IEC Type outlet (1200/2200 VA)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter protection for phone line and modem
- Communication USB
- WinPower software for controlling and monitoring

PowerWalker VI Series ensures steady and constant power thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. The VI Series of PowerWalker prevents electrical damage of professional equipment and consumer electronics at home.

AVR function also extends the battery life. When the voltage level is less than 10% of rated voltage the AVR set the voltage to the nominal level without having to go into battery mode, avoiding a cycle of loading and unloading.

In case of exceeding the range of input voltage, the UPS switches to battery mode directly to prevent cuts or surges and the

Optional Accessories



Schuko type



French Schuko type

consequent damage to the equipment connected to the output.

VI 650/850SE, VI 1200/2200 features a USB-port to connect the unit to a large number of operating systems for monitoring and voltage control, power, battery status, programmed off, etc.

VI Series of PowerWalker offers professional features for low and medium loads at the output, with a very good cost-benefit ratio. Especially recommended to protect computers, LCD TVs, game consoles, video surveillance cameras, etc..



VI2200 Schuko type



VI2200 French Schuko type

MODEL	VI 650 SE	VI 850 SE	VI 1200	VI 2200
Power (VA)	650VA	850VA	1200VA	2200VA
Power (W)	360W	480W	600W	1100W
INPUT				
Voltage	230Vac			
Voltage Range	170-280Vac			
Frequency Range	50/60Hz (Auto)			
OUTPUT				
Voltage Regulation	230Vac $\pm 10\%$			
Frequency Range	50/60Hz			
Transfer Time	Typical 4-8 ms			
AC mode to Battery mode				
Waveform (Battery Mode)	Modified Sine wave			
Protection	Discharge, Overcharge and Overload Protection			
BATTERY				
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah
Quantity	1		2	
Recharge Time	6h to 90% after complete discharge			
Protection	Battery Discharge, Overcharge and Overload Protection			
CONNECTIONS				
Communications	USB			
Output	2x Schuko		2x Schuko, 2x IEC	
Protection Port	RJ11/RJ45 in/out			
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port			
PRODUCT DETAILS				
Dimensions	279 x 100 x 143		365 x 139 x 195	
Depth x Width x Height (mm)				
Weight	4,4kg	5,0kg	8,6kg	10,2kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	0 - 90% (non condensing)			
Noise level	< 40dB at 1 meter		< 45dB at 1 meter	



- Line-Interactive Technology
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output Mode AC / Battery, Load Level, Battery Level
- 2 Schuko, 2 French or UK type outlets (650/850 VA)
- 2 IEC + 2 Schuko/French (1000 /1500/2000VA)
- 4 UK outlets (1000 VA), 5 UK outlets (1500/2000 VA)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- ViewPower software for controlling and monitoring

PowerWalker VI Series with Line-Interactive technology and informative LCD panel ensures a steady and constant power supply thanks to its Automatic Voltage Regulator (AVR). The AVR regulates voltage at the appropriate level by the decline during the surge or increase when voltage drops in the power line. VI Series of PowerWalker prevent electrical damage of professional equipment and consumer electronics at home.

AVR function also extends the battery life. When the voltage level is less than 10% of rated voltage the AVR set the voltage to the nominal level without having to go into battery mode, avoiding a cycle of loading and unloading.

In case of exceeding the range of input voltage, the UPS switches to battery mode directly to prevent cuts or surges and the consequent damage to the equipment connected at the output.

VI Series of PowerWalker offer a USB port to connect the unit to a large number of operating systems for monitoring voltage, power, battery status, programmed off, etc.

VI Series of PowerWalker offers professional features for low and medium loads at the output, with a very good cost-benefit ratio. Especially recommended to protect computers, LCD TVs, game consoles, video surveillance cameras, etc

Optional Accessories



VI 1000 LCD French Schuko



VI 1000 LCD

VI 650/850/1000/1500/2000 LCD (Schuko, French, UK)



VI 1500/2000 LCD

MODEL	VI 650 LCD		VI 850 LCD	VI 1000 LCD	VI 1500 LCD	VI 2000 LCD
Power (VA)	650VA		850VA	1000VA	1500VA	2000VA
Power (W)	360W		480W	600W	900W	1200W
INPUT						
Voltage Range	162-290Vac					
Frequency Range	50/60Hz (Auto)					
OUTPUT						
Voltage Regulation	230Vac ±10 %					
Frequency Regulation	50/60Hz ±1Hz					
Transfer Time	2-6 ms			4-8 ms		
AC mode to Battery mode	Modified Sinewave					
Waveform (Battery Mode)						
Protection						
BATTERY						
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah		
Quantity	1		2	2		
Recharge Time	4-6 hours to 90% after complete discharge					
Protection	Discharge and Battery Overload					
CONNECTIONS						
Communications	USB					
Output	2x Schuko			2x Schuko, 2x IEC		
Protection Port	RJ11 in/out					
REQUIREMENTS AND SOFTWARE						
Software	ViewPower					
Ports	1x USB port					
PRODUCT DETAILS						
Dimensions	287 x 100 x 142			350 x 146 x 165	397 x 146 x 205	397 x 146 x 205
Depth x Width x Height (mm)						
Colour	Black					
Weight	4,3kg	5,0kg	8,0kg	10,7kg	11,6kg	
ENVIROMENT						
Temperature	0°C - 40°C					
Humidity	0 - 90% (non condensing)					
Noise level	< 40dB at 1 meter					



- Line-Interactive Technology
- Pure Sine Wave output
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output
- Mode AC / Battery, Load Level, Battery Level
- 4 IEC outlets (VI750/1000PSW), 6 IEC outlets (VI1500/2000PSW)
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- ViewPower software for controlling and monitoring



Optional Accessories



With its high efficient digitalized PWM-based controller PowerWalker VI PSW series provides a pure sine wave output for best protection for sensitive equipment.

A comprehensive display allows monitoring the power status very easily.

Especially best suitable to protect modern PC like mini servers, gaming PC, point of sale (POS) systems and other electronic devices with APFC power supplies.

Not only limited to APFC power supplies and equipped with a voltage stabilizer, this UPS will continue providing clean and stable power to connected equipment and is perfect for any home or small and medium office application.

MODEL	VI 750 PSW		VI 1000 PSW		VI 1500 PSW		VI 2000 PSW	
Power (VA)	750VA		1000VA		1500VA		2000VA	
Power (W)	480W		700W		1050W		1400W	
INPUT								
Voltage Range	162 - 290 Vac							
Frequency Range	50/60Hz ±1Hz				50/60Hz (Auto Sensing)			
OUTPUT								
Voltage Regulation	±10%							
Transfer Time	Typical 2-6 ms, 10 ms max.							
AC mode to Battery mode	Pure Sine Wave							
Waveform (Battery Mode)	Short circuit and overload protection							
Protection								
BATTERY								
Type	12V / 9Ah		12V / 7Ah		12V / 9Ah		12V / 10Ah	
Quantity	1				2			
Recharge Time	6h to 90% after complete discharge							
Protection	Discharge, Overcharge, Overload and Short circuit protection							
CONNECTIONS								
Communications								
Output	4x IEC				6x IEC			
Protection Port	RJ11/RJ45 in/out							
REQUIREMENTS AND SOFTWARE								
Software	Viewpower							
Ports	1x USB port							
PRODUCT DETAILS								
Dimensions								
Depth x Width x Height (mm)	350 x 146 x 160				397 x 146 x 205			
Colour								
Weight	6.8kg		9.0kg		12.2kg		13.7kg	
ENVIRONMENT								
Humidity	0 - 90% RH @ 0 - 40° C (non condensing)							
Noise level	< 40dB at 1 meter							

VI LCD |Series

Line Interactive Pure Sine Wave

VI 600SW / 800SW

With its high efficient digitalized PWM-based controller PowerWalker VI PSW series provides a pure sine wave output for best protection for sensitive equipment.

A comprehensive display allows monitoring the power status very easily.

Especially best suitable to protect modern PC like mini servers, gaming PC, point of sale (POS) systems and other electronic devices with APFC power supplies.

Not only limited to APFC power supplies and equipped with a voltage stabilizer, this UPS will continue providing clean and stable power to connected equipment and is perfect for any home or small and medium office application.



- Line-Interactive Technology
- Pure Sine Wave Output
- Automatic Voltage Regulator (AVR)
- LCD panel with operating information: Power Input / Output
- Mode AC / Battery, Load Level, Battery Level
- 3 IEC type outlets
- Cold DC start Function
- Overload protection at the output
- Overload and over discharge protection of battery
- Surge Filter for phone line and modem
- USB Communication
- ViewPower software for controlling and monitoring

MODEL	VI 600 SW	VI 800 SW
Power (VA)	600VA	800VA
Power (W)	360W	480W
INPUT		
Voltage Range	162-290Vac	
Frequency Range	50/60Hz (Auto)	
OUTPUT		
Voltage Regulation	± 10 %	
Frequency Regulation	50/60Hz	
Transfer Time	2-6 ms	
AC mode to Battery mode	Pure Sine Wave	
Waveform (Battery Mode)	Shortcircuit and Output Overload	
PROTECTION		
Type	12V / 7Ah	12V / 9Ah
Quantity	1	
Recharge Time	4h to 90% after complete discharge	
Protection	Discharge, Overcharge, Overload and Short circuit	
CONNECTIONS		
Communications	USB	
Output	3x IEC	
Protection Port	RJ11, RJ45 in/out	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port	
PRODUCT DETAILS		
Dimensions	328 x 100 x 145	
Depth x Width x Height (mm)	Black	
Colour	5.2kg	
Weight	6.0kg	
ENVIRONMENT		
Temperature	0°C - 40°C	
Humidity	0 - 90% (non condensing)	
Noise level	< 40dB at 1 meter	

Overview Specs VI LED

VI LED |Series

Line Interactive

Optional Accessories



MODEL	VI 650 SE	VI 850 SE	VI 1200	VI 2200
Power (VA)	650VA	850VA	1200VA	2200VA
Power (W)	360W	480W	600W	1100W
INPUT				
Voltage Range	170-280Vac			
Frequency Range	50/60Hz (Auto)			
OUTPUT				
Voltage Regulation	230Vac ± 10 %			
Frequency Regulation (Battery Mode)	50/60Hz			
Transfer Time	Typical 4-8 ms			
AC mode to Battery mode	Modified Sine Wave			
Waveform (Battery Mode)	Discharge, Overcharge and Overload Protection			
Protection				
BATTERY				
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah
Quantity	1		2	
Recharge Time	6h to 90% after Complete discharge			
Protection				
Battery Overload and Overdischarge				
LED INDICATORS				
AC mode	Green LED lighting			
Battery Mode	Green LED flashing			
AUDIO INDICATORS				
Battery Mode	Beep every 10 seconds			
Battery Low (Need Recharge)	Beep every second			
UPS Fault	Continuous beep			
Overload	Beep every 0,5 seconds			
CONNECTIONS				
Communications	USB			
Output	2x Schuko		2x Schuko, 2x IEC	
Protection Port	RJ11 in/out		RJ11/RJ45 in/out	
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port			
PRODUCT DETAILS				
Dimensions	279 x 100 x 143		365 x 139 x 195	
Depth x Width x Height (mm)				
Colour	Black			
Weight	4,4kg	5.0kg	8.6kg	10.2kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	0 - 90% (non condensing)			
Noise level	< 40dB at 1 meter			
PACKAGE CONTENT				
	PowerWalker VI 650 SE, USB cable, Software CD, manual	PowerWalker VI 850 SE, USB cable, Software CD, manual	PowerWalker VI 1200, Input Power cable, IEC cable, USB cable, Software CD, manual	PowerWalker VI 2200, Input Power cable, IEC cable, USB cable, Software CD, manual
LOGISTIC DATA				
Package Dimensions	330 x 140 x 223	330 x 140 x 223	452 x 230 x 292	452 x 230 x 292
Depth x Width x Height (mm)				
Weight	4.4kg	5.0kg	8.6kg	10.2kg

VI LCD |Series

Line Interactive

VI LCD |Series

Line Interactive Pure Sine Wave



MODEL	VI 650 LCD		VI 850 LCD		VI 1000 LCD		VI 1500 LCD		VI 2000 LCD				VI 600 SW		VI 800 SW		VI 750 PSW		VI 1000 PSW		VI 1500 PSW		VI 2000 PSW	
Power (VA)	650VA		850VA		1000VA		1500VA		2000VA				600VA		800VA		750VA		1000VA		1500VA		2000VA	
Power (W)	360W		480W		600W		900W		1200W				360W		480W		480W		700W		1050W		1400W	
INPUT																								
Voltage Range		162-290Vac												162-290Vac										
Frequency Range		50/60Hz (Auto)												50/60Hz (Auto)										
OUTPUT																								
Voltage Regulation		230Vac ±10 %												230Vac ±10 %										
Frequency Regulation		50/60Hz ±1Hz												50/60Hz ±1Hz										
Transfer Time		2-6 ms										2-6 ms		Typical 2-6 ms, 10 ms max.										
AC mode to Battery mode																								
Waveform (Battery Mode)		Modified Sinewave												Pure Sine Wave										
Protection		Output Overload												Short circuit and overload protection										
BATTERY																								
Type	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah						12V / 7Ah		12V / 9Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah	12V / 10Ah								
Quantity	1		2								1		2											
Recharge Time	4h to 90% after complete discharge										4h to 90% after complete discharge		6h to 90% after complete discharge											
Protection	Battery Overload and Overdischarge												Discharge, Overcharge, Overload and Short circuit protection											
LCD INDICATOR																								
	AC Mode, Battery Level, Output Load Level, Input Voltage, Output Voltage and Fault												AC Mode, Battery Level, Output Load Level, Input Voltage, Output Voltage and Fault											
AUDIO INDICATORS																								
Battery Mode	Beep every 10 seconds												Beep every 10 seconds											
Battery Low (Need Recharge)	Beep every second												Beep every second											
UPS Fault	Continuous Beep												Continuous Beep											
Overload	Beep every 0,5 seconds												Beep every 0,5 seconds											
Battery Fault in AC mode (Need for replacement)	Beep every 2 seconds												Beep every 2 seconds											
CONNECTIONS																								
Communications	USB												USB											
Output	2x Schuko		2x Schuko + 2x IEC						3x IEC		4x IEC		6x IEC											
Protection Port	RJ11 in/out												RJ11/RJ45 in/out											
REQUIREMENTS AND SOFTWARE																								
Software	ViewPower												ViewPower											
Ports	1x USB port												1x USB port											
PRODUCT DETAILS																								
Dimensions	287 x 100 x 142		350 x 146 x 165		397 x 146 x 205		397 x 146 x 205				328 x 100 x 145		350 x 146 x 160		397 x 146 x 205									
Depth x Width x Height (mm)																								
Colour	Black																							
Weight	4,3kg	5,0kg	8,0kg	10,7kg	12,1kg					5.2kg	6.0kg	6.8kg	9.0kg	12.2kg	13.7kg									
ENVIRONMENT																								
Temperature	0°C - 40°C												0°C - 40°C											
Humidity	0 - 90% (non condensing)												0 - 90% (non condensing)											
Noise level	< 40dB at 1 meter												< 40dB at 1 meter											
PACKAGE CONTENT																								
	PowerWalker VI 650 LCD, CD Software, USB cable, User Manual	PowerWalker VI 850 LCD, CD Software, USB cable, User Manual	PowerWalker VI 1000 LCD, CD Software, USB cable, AC cable, User Manual	PowerWalker VI 1500 LCD, CD Software, USB cable, AC cable, User Manual	PowerWalker VI 2000 LCD, CD Software, USB cable, AC cable, User Manual			PowerWalker VI 600 SW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual		PowerWalker VI 800 SW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual	PowerWalker VI 750 PSW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual	PowerWalker VI 1000 PSW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual	PowerWalker VI 1500 PSW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual	PowerWalker VI 2000 PSW, Input Power Cord, IEC-Cable C13/ C14,USB Cable, Control Software CD, Manual										
LOGISTIC DATA																								
Package Dimensions	337 x 145 x 220	337 x 145 x 220	445 x 200 x 255	495 x 235 x 285	495 x 235 x 285			385 x 140 x 228		385 x 140 x 228	442 x 195 x 254	442 x 195 x 254	490 x 230 x 287	490 x 230 x 287										
Depth x Width x Height (mm)																								
Weight	4,7kg	5,3kg	9,0kg	11,9kg	13,2kg			5.2kg		6.0kg	6.8kg	9.0kg	12.2kg	13.7kg										

1-1 PHASE

3-1 PHASE

3-3 PHASE

1000/1500/2000/3000VA

6000VA

10KVA

10KVA

20KVA

20KVA

30KVA

40KVA

VFI Tower

On-Line



VI Rack/Tower

Line Interactive 1-3 KVA

VFI Rack/Tower

On-Line 1-10 KVA



VFI Tower

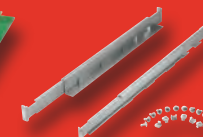
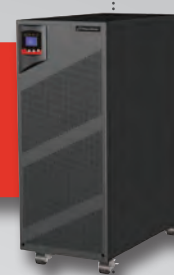
On-Line



VFI Rack/Tower

1-3KVA Rack/Tower

6-10KVA Rack



BX | Battery External

BE | Battery Empty

BI | Battery Internal

Examples only, full range of accessories can be found on our website

1000/1500/2000/3000VA

6000VA

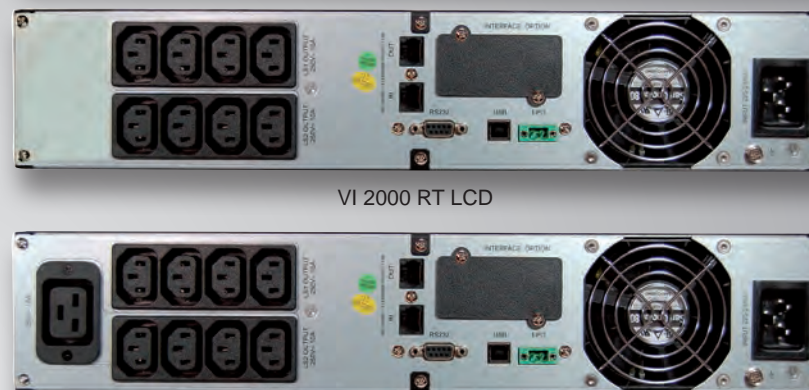
10KVA

VI RT 1000/1500/2000/3000 & 1000E/RT

- 0.9 Output Power Factor
- Rack-Tower 2-in-1 Design
- Intelligent LCD Display
- Green Power Function
- High Frequency Topology
- Pure Sinewave Output
- Output THDV < 3%
- Selectable Line Sensitivity
- Swappable LCD Direction
- Extended Run Time
- Power Management Software
- Multi Communication Ports
- Optional SNMP and Relay Card
- Self-Monitoring and Fault Diagnosis
- Load Segments Control
- EPO Connector



VI 2000 RT LCD



VI 3000 RT LCD

The PowerWalker VI RT LCD is a Line-Interactive UPS with pure sine wave, microprocessor control and designed for fulfilling high quality power protection demand. This series UPS can be used as tower or applied to standard 19" rack, and the 2U height design facilitates your whole system planning and installation.

Optional Accessories



VI 1000 E/RT LCD



VI 1000/1500RT LCD

MODEL	VI 1000E-RT LCD	VI 1000RT LCD	VI 1500RT LCD	VI 2000RT LCD	VI 3000RT LCD
Power	1000 VA / 900 W	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Voltage Range	161-276VAC				
Frequency Range	50/60Hz ±5Hz for Normal Mode / 40-70Hz for Generator Mode				
OUTPUT					
Voltage	208/220/230/240Vac				
Voltage Regulation (Batt. Mode)	±5%				
Frequency (Battery Mode)	50Hz or 60Hz				
Waveform (Battery Mode)	Pure Sine Wave				
BATTERY					
Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	2		3		6
Recharge Time	8h to 90%	3h to 90%	4h to 90%	3h to 90%	4h to 90%
AUDIO INDICATORS					
Battery Mode	Beep every 4 seconds				
Battery Low	Beep every second				
Overload	Doble Beep every second				
Fault	Continuous Beep				
LCD INDICATOR					
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault				
CONNECTIONS					
Communications	USB, RS-232 incl. dry-out contacts				
EPO (Emergency Power Off)	Yes				
Output	4x 10A IEC	8x 10A IEC			8x 10A IEC, 1X 16A IEC
REQUIREMENTS AND SOFTWARE					
Software	WinPower				
Ports	1x USB port or 1x Port RS-232				
PRODUCT DETAILS					
Dimensions	438 x 86.5 x 436			438 x 86.5 x 608	
Width x Height x Depth (mm)					
Weight	15.0kg	17.8kg	17.8kg	27.8kg	27.8kg
ENVIRONMENT					
Humidity	20%-80% relative humidity (non-condensing)				
Temperature	0°C - 40°C				

VFI RT 1-3 kVA

- True On-Line Double Conversion Technology
- Dual Format Tower / Rack 19"
- Compact design (2U up to 3000VA)
- High output power factor of 0.9
- IEC outputs (programmable)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- Winpower software for control and monitoring

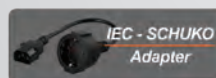
Specially suitable for:

- Data Processing Centers (DPC)
- Computer Systems for Small Business / Servers
- Industrial Applications
- Financial Systems
- Medical Centers



VFI 3000 RT LCD

Optional Accessories



VFI 1000/1500/2000 RT LCD

MODEL	VFI 1000RT LCD	VFI 1500RT LCD	VFI 2000RT LCD	VFI 3000RT LCD
Power	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Voltage Range	120-276VAC			
Frequency Range	45-66Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 (100% load)			
OUTPUT				
Voltage	208/220/230/240Vac ± 1%			
Frequency (Battery Mode)	50Hz / 60Hz ± 0.2Hz			
Current Crest Ratio	3:1			
Total Harmonic Distorsion	< 2 % THD (linear load)			
Transfer Time	Zero			
AC mode to Battery mode	Zero			
Transfer Time	Zero			
Inverter to Bypass	Zero			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah
Quantity	3	4	4	6
Recharge Time	3h to 90%			
AUDIO INDICATORS				
Battery Mode	Beep every 4 seconds			
Battery Low	Beep every second			
Overload	Doble Beep every second			
Fault	Continuous Beep			
LCD INDICATOR				
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault			
CONNECTIONS				
Communications	USB and RS-232 ports			
EPO (Emergency Power Off)	Yes			
Output	8x 10A IEC			8x 10A IEC, 1X 16A IEC
REQUIREMENTS AND SOFTWARE				
Software	WinPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions				
Depth x Width x Height (mm)	438 x 86,5 x 436	438 x 86,5 x 436	438 x 86,5 x 436	438 x 86,5 x 608
Weight	16,5kg	19,7kg	20,5kg	28,5kg
ENVIROMENT				
Humidity	<95% (non condensing)			
Temperature	0°C - 45°C			

VFI Series 6000/10000 VA

ON-LINE Technology

- True On-Line Double Conversion Technology
- Dual Format Tower / Rack 19 "
- Compact design, 3U (6KVA) / 5U(10KVA)
- High output power factor of 0.9
- IEC outputs (programmable) + block terminals
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- Winpower software for control and monitoring
- Integrated Manual Bypass Switch
- Specially suitable for:
 - Data Processing Centers (DPC)
 - Computer Systems for Small Business / Servers
 - Industrial Applications
 - Financial Systems
 - Medical Centers



VFI 10000RT LCD

VFI 6000 RT LCD
(Tower Installation)

Optional Accessories

VFI 6000RT LCD
(19" Rack Installation)

MODEL	VFI 6000RT LCD	VFI 10000RT LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range	120-276 Vac	
Frequency Range	45-66Hz	
Phase	Single phase with ground	
Power Factor	≥ 0.99 (100% carga)	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency	50Hz / 60Hz ± 0.2Hz	
(Battery Mode)	3:1	
Current Crest Ratio	< 2 % THD (linear load)	
Total Harmonic Distorsion	Zero	
Transfer Time	Zero	
AC mode to Battery mode	Zero	
Transfer Time	1ms	
Inverter to Bypass	<10ms	
Transfer Time	Pure Sine Wave	
Inverter to ECO Mode		
Transfer Time		
ECO Mode to Inverter		
Waveform		
(Battery Mode)		
BATTERY		
Type	12V / 5Ah	12V / 9Ah
Quantity	15	20
Recharge Time	3h to 90% after complete discharge	
AUDIO INDICATORS		
Battery Mode	Beep every 4 seconds	
Battery Low	Beep every second	
Overload	Doble Beep every second	
Fault	Continuous Beep	
LCD INDICATOR		
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault	
CONNECTIONS		
Communications	USB and RS-232 ports	
EPO (Emergency Power Off)	Yes	
Output	4x 10A IEC, 2X 16A IEC	8X 16A IEC
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions		
Depth x Width x Height (mm)	438 x 129 x 594	438 x 215,5 x 594
Weight	46,0kg	82,5kg
ENVIRONMENT		
Humidity	<95% (non condensing)	<95% (non condensing)
Temperature	0°C - 40°C	0°C - 40°C
Noise level	< 45dB at 1 meter	< 45dB at 1 meter

VFI Tower Series 1000/1500/2000/3000 VA

ON-LINE Technology



- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 4/6/8 IEC type outlets (2/3/4 programmable)
- Terminal Out (VFI 3000 LCD only)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)

Optional Accessories



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

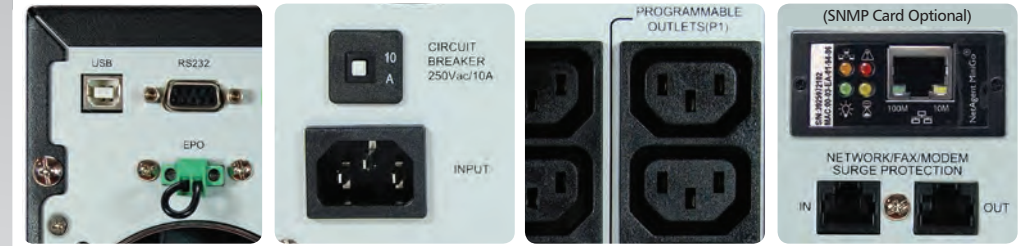
Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Series of PowerWalker provides more reliable voltage

regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..

VFI 1000/1500/2000/3000 LCD



MODEL	VFI 1000 LCD	VFI 1500 LCD	VFI 2000 LCD	VFI 3000 LCD
Power	1000VA / 800W	1500VA / 1200W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
Low Line Transfer (% Load)	160Vac (100%-80%) / 140Vac (80%-70%) 120Vac (70%-60%) / 110Vac (60%-0%)			
Voltage below which the UPS switches to battery mode				
Low Line Comeback	175 Vac ± 5%			
Voltage above which the UPS switches to AC mode				
High Line Transfer	300 Vac ± 5%			
Voltage above which the UPS switches to battery mode				
High Line Comeback	290 Vac ± 5%			
Voltage below which the UPS switches to AC mode				
Frequency Range	40Hz ~ 70Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 @ 220~230 Vac			
OUTPUT				
Output Voltage (Configurable)	208/220/230/240Vac			
Voltage Regulation AC	± 3%			
Frequency Range (Configurable)	50Hz / 60Hz			
(Frequency Converter Mode)				
Frequency Range (Battery Mode)	50Hz ± 0.25Hz or 60Hz ± 0.3Hz			
Current Crest Ratio	3:1			
Total Harmonic Distortion	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)		≤ 4 % THD (linear load) / ≤ 7 % THD (non-linear load)	
Transfer Time	Zero			
AC mode to Battery mode				
Transfer Time	4 ms (Typical)			
Inverter-Bypass				
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	3		6	
Recharge Time	4h to 90%			
Charging Current	1.0 A (max.)			
Charging Voltage	41.0 Vdc ± 1%		82.0 Vdc ± 1%	
CONNECTIONS				
Communications	USB and RS-232 ports			
EPO (Emergency Power Off)	Yes			
Output	4x IEC (2 programmable output)		8x IEC (4 programmable output)	6x IEC (3 prog.) + Terminal Output
Protection Port	RJ11/RJ45 in/out			
WAGO	-			
REQUIREMENTS AND SOFTWARE				
Software	ViewPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions	397 x 145 x 221		421 x 190 x 318	
Depth x Width x Height (mm)				
Weight	13.6kg	14.6kg	26.5kg	29.5kg
ENVIRONMENT				
Temperature	0°C - 40°C		0°C - 40°C	0°C - 40°C
Humidity	20 - 90% (non condensing)		20 - 90% (non condensing)	20 - 90% (non condensing)
Noise level	< 45dB at 1 meter		< 45dB at 1 meter	< 45dB at 1 meter

VFI Series 6000/10000 C

ON-LINE Technology

PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 1x Terminal block outputs
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)

optional accessories



VFI Series 6000/10000 C



MODEL	VFI 6000C LCD	VFI 10000C LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac \pm 3% (50%) / 176 Vac \pm 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac \pm 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	\geq 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	\pm 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz \pm 0,1Hz or 60Hz \pm 0,1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 9 Ah (16 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	9h -> 90%	9h -> 90%
Charging Current	Default 1.0 A \pm 10%, Max. 2.0 A \pm 10%	
Charging Voltage	218.4 Vdc \pm 1%	273.0 Vdc \pm 1%
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	1x Output Terminals	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	369 x 190 x 688	442 x 190 x 688
Weight	72.0kg	82.0kg

VFI Series 1000/1500/2000/3000/6000/10000 VA (Tower)



MODEL	VFI 1000 LCD	VFI 1500 LCD	VFI 2000 LCD
Power	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W
INPUT			
Low Line Transfer (% Load)	160 Vac / 140 Vac / 120 Vac / 110 Vac \pm 5 %		
Voltage below which the UPS switches to battery mode	(Carga al 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
Low Line Comeback	175 Vac \pm 5 %		
Voltage above which the UPS switches to AC mode			
High Line Transfer	300 Vac \pm 5 %		
Voltage above which the UPS switches to battery mode			
High Line Comeback	290 Vac \pm 5 %		
Voltage below which the UPS switches to AC mode			
Frequency Range	40Hz ~ 70Hz		
Phase	Single phase with ground		
Power Factor	\geq 0.99 @ 220~230 Vac		
OUTPUT			
Output Voltage (Configurable)	208/220/230/240Vac		
Voltage Regulation AC	\pm 3%		
Frequency Range(Configurable)	50Hz / 60Hz		
Frequency Converter Mode			
Frequency Range (Battery Mode)	50Hz \pm 0.25Hz or 60Hz \pm 0.3Hz		
Current Crest Ratio	3:1		
Total Total Harmonic Distortion	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)		
Transfer Time	Zero		
AC mode to Battery mode			
Transfer Time	4 ms (Typical)		
Inverter-Bypass			
Waveform (Battery Mode)	Pure Sine Wave		
Overload	100%-110%: audible warning		
	110%-130%: UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal.		
	>130%: UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal.		
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 9 Ah (3 Pcs.)	12 V / 7 Ah (6 Pcs.)
Recharge Time	4h to 90%		
Charging Current	1.0 A (max.)		
Charging Voltage	41.0 Vdc \pm 1%		82.1 Vdc \pm 1%
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB and RS-232 ports		
EPO (Emergency Power Off)	Yes		
Output	4x IEC (2 programmable output)		8x IEC (4 programmable output)
Protection Port	RJ11/RJ45 (in/out)		
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions			
Depth x Width x Height (mm)	397 x 145 x 221	397 x 145 x 221	421 x 190 x 318
Weight	13,6kg	14,6kg	26,5kg
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 40°C		
Noise level	< 45dBA at 1 meter		
MANAGEMENT			
RS-232 or USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
SNMP (Option)	Remote UPS management by SNMP card via web application		
CONTENTS			
	PowerWalker VFI 1000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 1500 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 2000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual
LOGISTIC DATA			
Package Dimensions			
Depth x Width x Height (mm)	470 x 325 x 235	470 x 325 x 235	397 x 145 x 220
Weight	15,1kg	16,1kg	27,0kg



MODEL	VFI 3000 LCD	VFI 6000 LCD	VFI 10000 LCD
Power	3000 VA / 2400 W	6000 VA / 4800W	10000 VA / 8000 W
INPUT			
Low Line Transfer (% Load)	160Vac/140Vac/120Vac/110Vac±5% (Load 100-80%/80-70%/70-60%/60-0%)	110 Vac ± 3 % (50% Load) or 176 Vac ± 3 % (100% Load)	
Low Line Comeback	175 Vac ± 5 %	Voltage Low Line Loss + 10V	
High Line Transfer	300 Vac ± 5 %	300 Vac ± 5%	
High Line Comeback	290 Vac ± 5 %	Voltage High Line Loss - 10V	
Frequency Range	40Hz ~ 70Hz	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	Single phase with ground	
Power Factor	≥ 0.99 @ 220~230 Vac	≥ 0.99 @ 100% Load	
OUTPUT			
Output Voltage (Configurable)	208/220/230/240Vac	208/220/230/240Vac	
Voltage Regulation AC	± 3%	± 1%	
Frequency Range(Configurable)	50Hz / 60Hz	50Hz / 60Hz	
Frequency Converter Mode			
Frequency Range (Battery Mode)	50Hz ± 0.25Hz or 60Hz ± 0.3Hz	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Current Crest Ratio	3:1	3:1	
Total Harmonic Distortion	≤ 4 % THD (linear load) / ≤ 7 % THD (non-linear load)	≤ 3 % THD (linear load) / ≤ 6 % THD (non-linear load)	
Transfer Time. AC mode to Battery mode		Zero	
Transfer Time. Inverter-Bypass		Zero	
Waveform (Battery Mode)		Pure Sine Wave	
Overload	100%-110%: audible warning 110%-130% UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal. > 130%: UPS shuts down immediately at bat- tery mode or transfer to bypass mode when the utility is normal.	100%-110%:10 min (AC mode) 110%-130%:1 min (AC mode) >130%: 1 Sec. (AC mode)	
BATTERY			
Type (units.)	12 V / 9 Ah (6 Pcs.)	12 V / 9 Ah (16 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	4h to 90%	9h-> 90%	9h-> 90%
Charging Current	1.0 A (max.)	Default 1.0 A ± 10%, Max. 2.0 A ± 10%	
Charging Voltage	82.0 Vdc ± 1%	218.4 Vdc ± 1%	273.0 Vdc ± 1%
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB and RS-232 ports + Intelligent Slot		
EPO (Emergency Power Off)	Yes		
Output	6x IEC (3 programmable output)	1x Output Terminals	
Protection Port	RJ-11 (in/out)	-	
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions			
Depth x Width x Height (mm)	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688
Weight	29,5kg	72.0kg	82.0kg
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 40°C		
Noise level	< 45dBA at 1 meter	< 55dB at 1 meter	< 58dB at 1 meter
MANAGEMENT			
RS-232 or USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
SNMP (Option)	Remote UPS management by SNMP card via web application		
CONTENTS			
	PowerWalker VFI 3000 LCD, CD Software, USB cable, 2x IEC cable, AC cable, User Manual	PowerWalker VFI 6000 LCD, CD Software, USB cable, User Manual	PowerWalker VFI 10000 LCD, CD Software, USB cable, User Manual
LOGISTIC DATA			
Package Dimensions			
Depth x Width x Height (mm)	555 x 325 x 465	690 x 370 x 690	690 x 370 x 690
Weight	35.1ka	88.0ka	90.0ka

VFI 1000/2000/3000T LCD



VFI 1000T

- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 3x IEC / 6x IEC / 4x IEC Output (1000/2000/3000VA)
- Terminal block Output (only 3000VA model)
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- WinPower software (controlling & monitoring)

Optional Accessories



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Series of PowerWalker

provides more reliable voltage regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..



VFI 2000T

VFI 3000T

MODEL	VFI 1000T LCD	VFI 2000T LCD	VFI 3000T LCD
Power	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT			
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	176/165/110VAC $\pm 3\%$ @ 100-75%/75-50%/60-0% load		
Low Line Comeback Voltage above which the UPS switches to AC mode	186/175/120VAC $\pm 3\%$ @ 100-75%/75-50%/60-0% load		
High Line Transfer Voltage above which the UPS switches to battery mode	300VAC $\pm 3\%$		
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac $\pm 5\%$		
Frequency Range	45Hz ~ 66Hz		
Phase	Single phase with ground		
Power Factor	≥ 0.99		
OUTPUT			
Output Voltage (Configurable)	208/220/230/240Vac		
Voltage Regulation AC	$\pm 2\%$		
Frequency Range(Configurable)	45 ~ 55Hz or 54 ~ 66Hz		
Frequency Converter Mode	50/60Hz ± 0.2 Hz		
Frequency Range (Battery Mode)	3:1		
Current Crest Ratio	$\leq 3\%$ THD (linear load) / $\leq 6\%$ THD (non-linear load)		
Total Total Harmonic Distortion	Zero		
Transfer Time	<4 ms (Typical)		
AC mode to Battery mode	Pure Sine Wave		
Transfer Time			
Inverter-Bypass			
Waveform (Battery Mode)			
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 7 Ah (8 Pcs.)	12 V / 7 Ah (8 Pcs.)
Recharge Time	5h to 90%		
CONNECTIONS			
Communications	USB		
EPO (Emergency Power Off)	Yes		
Output	3x IEC	6x IEC	4x IEC, 1x Terminal
REQUIREMENTS AND SOFTWARE			
Software	ViewPower		
Ports	1x USB port		
PRODUCT DETAILS			
Dimensions			
Depth x Width x Height (mm)	400 x 145 x 220	460 x 192 x 347	460 x 192 x 347
Weight	13kg	31kg	31kg
Fan Control	Always on, automatic speed control		
ENVIRONMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 45°C		
Noise level	< 50dB at 1 meter		

VFI 6000/10000T

- True double-conversion with pure sine wave output
- Output power factor 0.9
- Parallel System configuration / parallel Redundancy
- Monitoring software included
- Wide input voltage range (110-276 VAC)
- Input power factor correction
- Input THDi <5%, Output THDv <2% @ linear load and <5% @ non-linear load
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- N+X Parallel Redundancy for up to 4 UPS of same size
- Smart battery charger to extend battery life
- Integrated maintenance bypass switch
- Optional: SNMP module, Battery Pack, Modbus card, Remote panel, AS/400 card



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA. Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc



VFI 6000T

VFI 10000T

VFI 6000/10000T LCD



MODEL	VFI 6000T LCD	VFI 10000T LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range (based on voltage range)	110-276VAC	
Frequency Range	45-55Hz/54-66Hz	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency (Synchronized Range)	45-55Hz/54-66Hz	
Frequency (Battery Mode)	50/60Hz ± 0.05	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	≤ 2% (Full Linear Load) ≤ 5% (Full Non Linear Load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7.2 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	5h -> 90%	5h -> 90%
CONNECTIONS		
Communications	USB, RS-232 & Dry Contacts	
EPO (Emergency Power Off)	Yes	
Output	Terminal outlet	
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth x Width x Height (mm)	550 x 260 x 708	
Weight	80kg	84kg
Fan Control	Always on, automatic speed control	
ENVIROMENT		
Humidity	20-90 % (non condensing)	
Temperature	0°C - 45°C	
Noise level	< 50dB at 1 meter	

VFI Series 1000/1500/2000/3000/6000/10000 VA (Tower)



MODEL	VFI 1000T LCD	VFI 2000T LCD	VFI 3000T LCD
Power	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT			
Low Line Transfer (% Load)	176/165/110VAC \pm 3% @ 100-75%/75-50%/60-0% load		
Voltage below which the UPS switches to battery mode			
Low Line Comeback	186/175/120VAC \pm 3% @ 100-75%/75-50%/60-0% load		
Voltage above which the UPS switches to AC mode			
High Line Transfer	300VAC \pm 3%		
Voltage above which the UPS switches to battery mode			
High Line Comeback	290VAC \pm 3%		
Voltage below which the UPS switches to AC mode			
Frequency Range	45Hz ~ 66Hz		
Phase	Single phase with ground		
Power Factor	\geq 0.99		
OUTPUT			
Output Voltage	220/230/240 VAC		
Voltage Regulation AC	\pm 2%		
Frequency Range	45 ~ 55Hz or 54 ~ 66Hz		
Frequency Converter Mode			
Frequency Range (Battery Mode)	50/60Hz \pm 0.2Hz		
Current Crest Ratio	3:1		
Total Total Harmonic Distortion	\leq 3 % THD (linear load) / \leq 5 % THD (non-linear load)		
Transfer Time	Zero		
AC mode to Battery mode			
Transfer Time	< 4 ms (Typical)		
Inverter-Bypass			
Waveform (Battery Mode)	Pure Sine Wave		
BATTERY			
Type	12 V / 7 Ah (3 Pcs.)	12 V / 7 Ah (8 Pcs.)	12 V / 9 Ah (6 Pcs.)
Recharge Time	5h to 90%		
Charging Current	1.0 A (max.)		
AUDIO INDICATORS			
Battery Mode	Beep every 4 seconds		
Battery Low	Beep every second		
Overload	Doble Beep every second		
Fault	Continuous Beep		
LCD INDICATOR			
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault		
CONNECTIONS			
Communications	USB		
Output	3x IEC	6x IEC	4x IEC + Terminal
EPO (Emergency Power Off)	Yes		
Intelligent Slot	Yes		
Ext. Bat. connector	Yes		
REQUIREMENTS AND SOFTWARE			
Software	WinPower		
Ports	1x USB port		
PRODUCT DETAILS			
Dimensions			
Depth x Width x Height (mm)	400 x 145 x 220	460 x 192 x 347	421 x 190 x 318
Weight	13kg	31kg	31kg
ENVIROMENT			
Humidity	20-90 % (non condensing)		
Temperature	0°C - 45°C		
Noise level	< 50dB at 1 meter		
MANAGEMENT			
USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC		
Options	SNMP/NMC Card, Battery Pack, Modbus card, AS/400 card, ATS, MBS		
CONTENTS			
	PowerWalker VFI 1000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual	PowerWalker VFI 2000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual	PowerWalker VFI 3000T LCD, Power cord, 2x IEC cable, USB cable, Software CD, manual
LOGISTIC DATA			
Package Dimensions	560 x 320 x 460		
Depth x Width x Height (mm)			
Weight	15.0kg	33.0kg	33.0kg



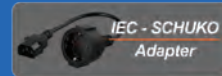
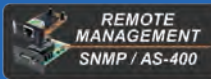
MODEL	VFI 6000T LCD	VFI 10000T LCD
Power	6000 VA / 5400 W	10000 VA / 9000 W
INPUT		
Voltage Range (based on voltage range)	110-276VAC	
Frequency Range	45-55Hz/54-66Hz	
Power Factor	≥ 0.99 @ 100% Load	
OUTPUT		
Voltage	208/220/230/240Vac ± 1%	
Frequency (Synchronized Range)	45-55Hz/54-66Hz	
Frequency (Battery Mode)	50/60Hz ± 0.05	
Current Crest Ratio	3:1	
Total Harmonic Distorsion	≤ 2% (Full Linear Load) ≤ 5% (Full Non Linear Load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7.2 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	5h -> 90%	5h -> 90%
AUDIO INDICATORS		
Battery Mode	Beep every 4 seconds	
Battery Low	Beep every second	
Overload	Doble Beep every second	
Fault	Continuous Beep	
LCD INDICATOR		
	UPS status, Output Load Level, battery level, Input Voltage/Output, Discharger Timer and Fault	
CONNECTIONS		
Communications	USB, RS-232 & Dry Contacts	
EPO (Emergency Power Off)	Yes	
Output	Terminal outlet	
Intelligent Slot	Yes	
Ext. Bat. connector	Yes	
REQUIREMENTS AND SOFTWARE		
Software	WinPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions	550 x 260 x 708	
Depth x Width x Height (mm)		
Weight	80kg	84kg
ENVIROMENT		
Humidity	20-90 % (non condensing)	
Temperature	0°C - 45°C	
Noise level	< 50dB at 1 meter	
MANAGEMENT		
USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and MAC	
Options	SNMP/NMC Card, Battery Pack, Modbus card, AS/400 card, ATS, MBS	
CONTENTS		
	PowerWalker VFI 6000T LCD, EPO plug, USB cable, RS-232 cable, Software CD, manual	PowerWalker VFI 10000T LCD, EPO plug, USB cable, RS-232 cable, Software CD, manual
LOGISTIC DATA		
Package Dimensions	720 x 428 x 970	
Depth x Width x Height (mm)		
Weight	89kg	89kg

VFI 1000/1500/2000/3000 RM

- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 8 IEC C13 type outlets (4 programmable) (1000/1500VA)
- 6 IEC C13 + 1 IEC C19 outlets (3 programmable) (2/3 kVA)
- Hot Swappable Battery Design
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software (controlling & monitoring)



Optional Accessories



VFI 2000RM / VFI 3000RM



VFI 1000RM / VFI 1500RM

PowerWalker VFI Rack series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in a first phase of conversion, the AC power at the UPS input becomes DC. Then in a second phase, the DC electricity is re-convertes to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

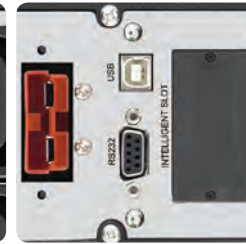
Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, the VFI Rack Series

of PowerWalker provides more reliable voltage regulation, its tolerance range is between 1% and 3% of the rated voltage.

VFI Rack series of PowerWalker features a USB and a Serial (RS-232) port allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Moreover, thanks to its true double conversion technology VFI Rack series of PowerWalker can be used in critical applications with high requirements for stability in the electrical supply. Especially suitable for Industrial Applications, Data Processing Center (DPC), Cloud Computing, Financial Services, Medical Centers, Critical Applications in general, etc..

VFI 1000/1500/2000/3000 RM



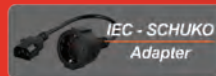
MODEL	VFI 1000RM LCD	VFI 1500RM LCD	VFI 2000RM LCD	VFI 3000RM LCD
Power	1000VA / 800W	1500VA / 1200W	2000VA / 1600W	3000VA / 2400W
INPUT				
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160/140/120/110VAC ± 5%			
Low Line Comeback Voltage above which the UPS switches to AC mode	170/150/130/120VAC ±5%			
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%			
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5%			
Frequency Range	45Hz ~ 55Hz or 56Hz ~ 65Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99 @ 220-230 VAC			
OUTPUT				
Output Voltage (Configurable)	208/220/230/240Vac			
Voltage Regulation AC	± 1 %			
Frequency Range (Configurable) (Frequency Converter Mode)	48 ~ 52Hz or 58 ~ 62Hz			
Frequency Range (Battery Mode)	50Hz ± 0.2Hz or 60Hz ± 0.2Hz			
Current Crest Ratio	3:1			
Total Harmonic Distortion	≤ 2% THD (Linear Load) 8% max. (Batt. Mode before shut down)			
Transfer Time AC mode to Battery mode	Zero			
Transfer Time Inverter-Bypass	4 ms (Typical)			
Waveform (Battery Mode)	Pure Sine Wave			
BATTERY				
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Quantity	3		6	
Recharge Time	4h to 90%			
CONNECTIONS				
Communications	USB and RS-232 ports			
Output	8x IEC (4 programmable output)		1x IEC C19 + 6x IEC C13 (3 programmable output)	
Protection Port	RJ-11/RJ/45 (in/out)			
EPO (Emergency Power Off)	Yes			
Intelligent Slot	Yes			
REQUIREMENTS AND SOFTWARE				
Software	ViewPower			
Ports	1x USB port or 1x Port RS-232			
PRODUCT DETAILS				
Dimensions Depth x Width x Height (mm)	438 x 480 x 88		438 x 600 x 88	
Weight	18.4kg	17kg	25.7kg	29kg
ENVIRONMENT				
Temperature	0°C - 40°C			
Humidity	20 - 90% (non condensing)			
Noise level	< 50dB at 1 meter			

VFI 6000/10000R VA

- True On-Line Double Conversion Technology
- Programmable Output Voltage and Frequency
- High Power output Factor 0.8
- LCD Panel with detailed information
- 1x Terminal block Output
- 1x IEC type outlet
- ECO mode for power saving
- EPO Function (Emergency Power Off)
- Communication USB, RS-232 and optional SNMP
- ViewPower software for controlling and monitoring



optional accessories



PowerWalker VFI Rack series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

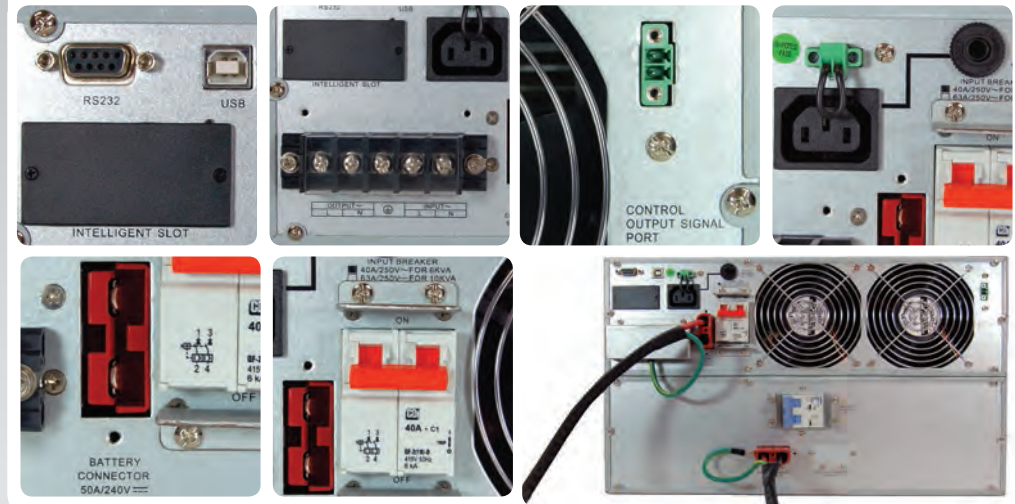
Another advantage of this technology is its "zero" transfer time in case of total power failure at the entrance. In addition, VFI Series PowerWalker rack provides the most reliable voltage regulation (1% of the nominal set).

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

ON-LINE Technology

VFI 6000/10000R LCD



MODEL	VFI 6000 R LCD	VFI 10000 R LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac \pm 3% (50%) / 176 Vac \pm 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac \pm 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	\geq 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	\pm 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz \pm 0,1Hz or 60Hz \pm 0,1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distortion	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	7h to 90% after complete discharge	7h -> 90%
Charging Current	1.0 A (max.)	
Charging Voltage	273.0 Vdc \pm 1%	
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	2x Output Terminal (1x Programable) + 2x IEC	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions	650(+38) x 438 x 260	
Depth(+handles) x Width x Height (mm)		
Weight	81.5kg	83.5kg

VFI Series 1000/1500/2000/3000/6000/10000 VA (Rack)



MODEL	VFI 1000RM LCD		VFI 1500RM LCD	VFI 2000RM LCD	VFI 3000RM LCD
Power	1000VA / 800W		1500VA / 1200W	2000VA / 1600W	3000VA / 2400W
INPUT					
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	160/140/120/110VAC ± 5%				
Low Line Comeback Voltage above which the UPS switches to AC mode	170/150/130/120VAC ±5%				
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac ± 5%				
High Line Comeback Voltage below which the UPS switches to AC mode	290 Vac ± 5%				
Frequency Range	45Hz ~ 55Hz or 56Hz ~ 65Hz				
Phase	Single phase with ground				
Power Factor	+/- 1Hz				
OUTPUT					
Output Voltage (Configurable)	208/220/230/240Vac				
Voltage Regulation AC	± 1 % (Batt. Mode)				
Frequency Range (Configurable) (Frequency Converter Mode)	48 ~ 52Hz or 58 ~ 62Hz				
Frequency Range (Battery Mode)	50Hz ± 0.2Hz or 60Hz ± 0.2Hz				
Current Crest Ratio	3:1				
Total Harmonic Distortion	≤ 2% THD (Linear Load) 8% max. (Batt. Mode before shut down)				
Transfer Time AC mode to Battery mode	Zero				
Transfer Time Inverter-Bypass	4 ms (Typical)				
Waveform (Battery Mode)	Pure Sine Wave				
BATTERY					
Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	
Quantity	3			6	
Recharge Time	4h to 90%				
CONNECTIONS					
Communications	USB and RS-232 ports				
Output	8x IEC (4 programmable output)		1x IEC C19 + 6x IEC C13 (3 programmable)		
Protection Port	RJ-11/RJ/45 (in/out)				
EPO (Emergency Power Off)	Yes				
Intelligent Slot	Yes				
REQUIREMENTS AND SOFTWARE					
Software	ViewPower				
Ports	1x USB port or 1x Port RS-232				
PRODUCT DETAILS					
Dimensions Depth x Width x Height (mm)	438 x 480 x 88			438 x 600 x 88	
Weight	18.4kg	17kg	25.7kg	29kg	
ENVIRONMENT					
Temperature	0°C - 40°C				
Humidity	20 - 90% (non condensing)				
Noise level	< 50dB at 1 meter				

MODEL	VFI 6000 R LCD	VFI 10000 R LCD
Power	6000 VA / 4800 W	10000 VA / 8000 W
INPUT		
Low Line Transfer (% Load) Voltage below which the UPS switches to battery mode	110 Vac \pm 3% (50%) / 176 Vac \pm 3% (100%)	
Low Line Comeback Voltage above which the UPS switches to AC mode	Voltage Low Line Loss + 10V	
High Line Transfer Voltage above which the UPS switches to battery mode	300 Vac \pm 5%	
High Line Comeback Voltage below which the UPS switches to AC mode	Voltage High Line Loss - 10V	
Frequency Range	46Hz ~ 54Hz (50Hz) / 56Hz ~ 64Hz (60Hz)	
Phase	Single phase with ground	
Power Factor	\geq 0.99 @ 100% Load	
OUTPUT		
Output Voltage (Configurable)	208/220/230/240Vac	
Voltage Regulation AC	\pm 1%	
Frequency Range (Configurable) Frequency Converter Mode	50Hz / 60Hz	
Frequency Range (Battery Mode)	50Hz \pm 0.1Hz or 60Hz \pm 0.1Hz	
Current Crest Ratio	3:1	
Total Harmonic Distortion	\leq 3 % THD (linear load) / \leq 6 % THD (non-linear load)	
Transfer Time AC mode to Battery mode	Zero	
Transfer Time Inverter-Bypass	Zero	
Waveform (Battery Mode)	Pure Sine Wave	
BATTERY		
Type (units.)	12 V / 7 Ah (20 Pcs.)	12 V / 9 Ah (20 Pcs.)
Recharge Time	7h to 90% after complete discharge	
Charging Current	1.0 A (max.)	
Charging Voltage	273.0 Vdc \pm 1%	
CONNECTIONS		
Communications	USB and RS-232 ports + Intelligent Slot	
EPO (Emergency Power Off)	Yes	
Output	2x Output Terminal (1x Programable) + 2x IEC	
REQUIREMENTS AND SOFTWARE		
Software	ViewPower	
Ports	1x USB port or 1x Port RS-232	
PRODUCT DETAILS		
Dimensions Depth(+handles) x Width x Height (mm)	650(+38) x 438 x 260	
Weight	81,5kg	83,5kg

VFI Tower VFI 10000TCP 3/1

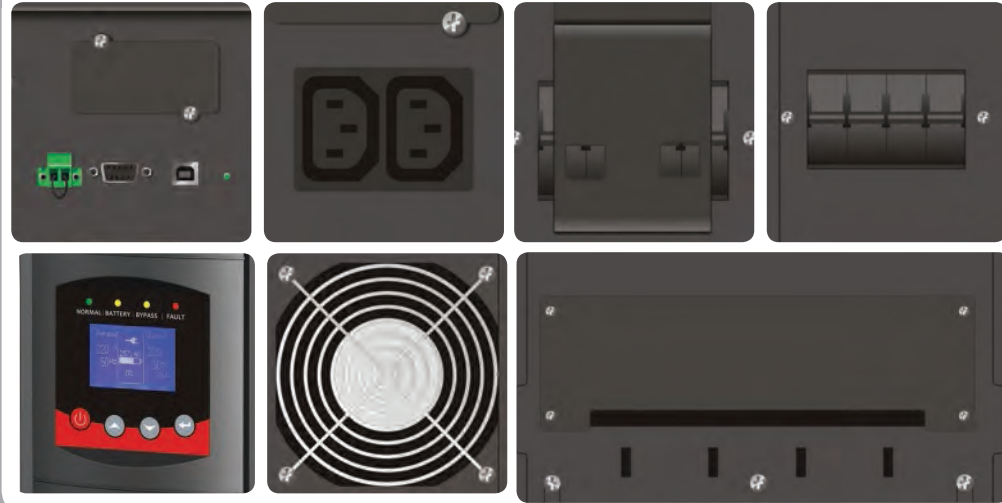
On-Line 3-1

VFI 10000/20000TP 3/1

- True double-conversion with pure sine wave output
- Output power factor 0.9
- Monitoring software included
- Wide input voltage range (110-276 VAC 1P in/ 190-478VAC 3P in)
- Input power factor correction
- Input THDi <5%, Output THDv <2%
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Intelligent fan control for reduced noise level
- N+X Parallel Redundancy for up to 4 UPS of same size
- Integrated maintenance bypass switch



VFI 10000TCP 3/1



PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA. Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc



VFI 10000TP 3/1

VFI 20000TP 3/1

PowerWalker VFI series with true On-Line Double Conversion technology always provides clean electric power thereby protecting the connected equipment from all power supply problems.

VFI series of PowerWalker is built with true double conversion technology, where in the first phase of conversion, the AC power at the UPS input is converted to DC. Then in the second phase, the DC electricity is converted back to AC power. In this way, the load connected to the UPS output is isolated from the electrical input current and its imperfections. The result is an always clean and stable output power.

Parallel configuration option allows you to connect up to 4 devices in parallel thus reaching a total capacity of 40KVA / 80KVA Redundant configuration with 2 units ensures the electrical supply even one of the two UPS fails.

PowerWalker VFI series features a USB port and one Serial (RS-232) allowing the unit to be connected to a large number of operating systems for configuration and monitoring of the unit.

This type of UPS is specially designed for all professional applications. Especially recommended for critical applications and high power CPD, industrial, financial services, medical centers, etc

VFI Tower VFI 10000TCP 3/1 - VFI 10000/20000TP 3/1

On-Line 3-1

VFI 3-1 phase accessories and battery packs

MODEL	VFI 10000 TCP 3-1	VFI 10000 TP 3-1	VFI 20000 TP 3-1
Power	10000 VA / 9000 W	10000 VA / 9000 W	10000 VA / 18000 W
INPUT			
Voltage	230V / 400V		
Voltage Range single phase	110-276VAC single phase with ground (L-N-G)		
Transfer Voltage Range	Based on Load percentage 100%/50%		
Line low loss	176VAC/110VAC (±3%)		
Line low comeback	186VAC/120VAC (±3%)		
Line high loss	276VAC (±3%)		
Line high comeback	266VAC (±3%)		
Voltage Range three phase	190-478VAC three phase with ground (R-S-T-N-G)		
Transfer Voltage Range	Based on Load percentage 100%/50%		
Line low loss	305VAC/190VAC (±3%)		
Line low comeback	322VAC/208VAC (±3%)		
Line high loss	478VAC (±3%)		
Line high comeback	461VAC (±3%)		
THDi	<5% with full load		
Frequency Range	45-55Hz/54-66Hz		
Power Factor	≥ 0.99 at Full Load		
Generator Set	1.8 x UPS Rating Power		
OUTPUT			
Voltage	208/220/230/240 ± 1%		
Frequency (Synchronized Range)	45-55Hz/54-66Hz		
Frequency (Battery Mode)	50/60Hz ± 0.05%		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 2% (Full Linear Load)		
Waveform	Pure Sine Wave		
Overload Capability	5 min at 100-110% 1 min at 110-130% 10 sec at 130-150% 2 sec at >150%		
Parallel configuration	Up to 4 UPS of same size (optional parallel port required)		
TRANSFER TIME			
AC to DC	Zero		
Inverter to Bypass	Zero		
Inverter to ECO	Zero		
ECO to Inverter	<10ms		
BATTERY			
Type	12V / 9Ah		
Quantity	20x	24x in one string	48x in two strings of 24 pcs
Recharge Time	8h to 90%	3h to 90%	
BYPASS			
Bypass Before UPS Power-on	Default "No" Change to "Yes" via display panel		
Overload und UPS Failure	Automatically transfer to bypass		
By Setting	Voltage Rang: 176-276V ± 3%		
CONNECTIONS			
Communications	USB & RS232		
Outlets	2x IEC C13, Terminal outlet	Terminal outlet	
Intelligent Slot	Yes		
AS-400 Slot	Yes		
EPO (Emergency Power Off)	Yes		
Maintenance Switch	Yes		
REQUIREMENTS AND SOFTWARE			
Software	Winpower		
Ports	1x USB port or 1x Port RS-232		
PRODUCT DETAILS			
Dimensions Depth(+ handles) x Width x Height (mm)	550 x 260 x 708	650 x 350 x 890	
Weight	85kg	127kg	188kg
Noise Level	< 55dB at front 1 Meter		
	0 - 95% (non-condensing) at 0°C – 40°C	0 - 95% (non-condensing) at 0°C – 45°C	



3-1 Phase Expanding Autonomy

Extend the Autonomy of your facilities in case of power outage by connecting one or more additional battery packs. The Battery Pack is configurable depending on the desired increased autonomy. The Battery Pack are specifically configured for PowerWalker VFI 3-1 Series.



AS-400 Card 3

Specific card to communicate systems with IBM AS-400 with VFI Series of PowerWalker or for other application if you need dry contact ports.



NMC card

The SNMP communication module enables monitoring, management and maintenance of the UPS PowerWalker from anywhere in the world, with only a computer with Internet access. The VFI Series of PowerWalker have the Intelligent Slot for inserting the card.



Modbus card

The Modbus communication module gives an easy and simple way to achieve remote monitoring and controlling of all the UPS in the same net at same time using the standardized Modbus-Protocol.



External Battery Charger

The additional battery charger allows to speed up the charging process especially when UPS is connected with additional battery packs. For VFI 10000TCP 3/1 available with external housing. For VFI 10000/20000TP 3/1 as charger board to implement into UPS.

Expanding Autonomy and Optional Accessories

Redundant / Parallel Mode



Expanding Autonomy
Extend the Autonomy of your facilities in case of power outage by connecting one or more additional battery packs. The Battery Pack is configurable depending on the desired increased autonomy. The Battery Pack are specifically configured for PowerWalker VFI Series.



SNMP card
The SNMP communication module enables monitoring, management and maintenance of the UPS PowerWalker from anywhere in the world, with only a computer with Internet access. The VFI Series of PowerWalker have the Intelligent Slot for inserting the card.



AS-400 Card
Specific card to communicate systems with IBM AS-400 with VFI Series of PowerWalker or for other application if you need dry contact ports.



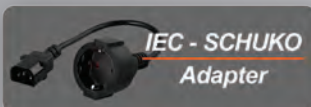
Maintenance Bypass Switch
Maintains power to devices connected to the UPS when it is disconnected from the system. It also has an ECO function for energy-saving.



Rack 19" Maintenance Bypass Switch
Maintains power to devices connected to the UPS when it is disconnected from the system. It also has an ECO function for energy-saving.



Rails For Rack 19"
Allows installation of PowerWalker 19" Rack UPS inside a 19" cabinet.



Schuko to IEC Adapter
Adapt IEC outlets (female) to Schuko sockets (female).



PowerWalker VFI Tower Series offer the possibility of being connected in parallel offering two special configurations. Such configurations are known by the names of Redundant and Parallel modes.



Redundant Mode

In redundant configuration there are, at least, 2 units of UPS (it can be more) required. One of the UPS acts as main, delivering clean power, free of imperfections to the load connected to the UPS output. The second UPS is connected to the first, remaining in Hot-Standby situation. That is, if the first fails, the second would come into operation immediately. Furthermore, this configuration has the ability to give the installation twice autonomy, autonomy. This redundant design is recommended for critical applications where failure of a UPS may not result in the breakdown of the electric power system.

Parallel Mode

The second possible configuration, the parallel mode, allows summing power to the system. Thus, if we combine two 10000VA models, we would get the equivalent of 20000VA. If the setting out is of 4 units, the resulting power would be 40000VA. The maximum setting is 4 UPS.

Either configuration admits enlargement of autonomy, configurable depending on customer needs.

VFI Tower VFI 20000/30000/40000 (BX, BE, BI) 3P/3P

On-Line 3P/3P

- 3 phase in / 3 phase out
- Parallel and parallel redundant (N+X) system setup with already integrated communication slots
- N+X Parallel Redundancy for up to 8 UPS of same size
- AS/400 port, Intelligent slot, EPO, RS-232, RS-485, extended slot, parallel communication port, integrated MBS
- Dual Feed input, Terminal- in and - out, IP21 compliant design
- Optional: SNMP module, Battery Pack, USB-Card
- True double-conversion with pure sine wave output
- Monitoring software included
- Wide input voltage range of 210 to 475 Vac
- ECO mode operation for energy saving
- Emergency power off (EPO) function

With its true double-conversion online UPS design it fits perfectly to any environment where uninterrupted power feed is required to secure critical equipment's continuous operation. Multiple communication ports allow integrating the UPS in existing structures. This model provides a perfect solution for power protection, and solves power quality problems such as surges, spikes, voltage fluctuations, harmonic distortion, clutter interference and frequency fluctuations.

Each phase is independently double converted and regulated. In addition, PFC (power factor control) controller is used for real time control and data processing,



20000/30000/40000 BX

VFI 20000/30000/40000 BX



BE/BI

ensuring high availability at all times. Further extent reliability is accomplished by introducing intelligent charge mode which significantly prolongs service life of batteries. Also, possibility to have dual feed on UPS input adds availability thus increases reliability of system.

ON-LINE Technology



BX

IP21 compliant design makes it a perfect fit to industrial and other applications, where harsh environmental conditions may set extent requirements to mechanical design. Optional filter is also available for further protection against the smallest damaging particles.

VFI 20000/30000/40000 BE/BI



VFI Tower VFI 20000TP 3/3 (BE / BI / BX)

On-Line 3-3

VFI 30000TP 3/3

MODEL	VFI 20000 3/3 BE	VFI 20000 3/3 BI	VFI 20000 3/3 BX
Power	20000VA / 16000W	20000VA / 16000W	20000VA / 16000W
INPUT			
Voltage	400 Vac (L-L), 230 Vac (L-N)		
Voltage Range	285-475VAC @ Full Load 210-475VAC @ <70% Load		
Phase	3-Phase + Neutral + Ground		
Dual-line Input	Yes		
THDi	<5%		
Frequency Range	40-70Hz (self-adaptive to 50Hz/60Hz)		
Power Factor	≥ 0.99		
Generator Set	2.2 x UPS Rating Power		
OUTPUT			
Voltage	346/360/380/400/416VAC Derating 10% with 346/360VAC		
Frequency (Synchronized Range)	46-54Hz/56-64Hz		
Frequency (Battery Mode)	50/60Hz ± 0.05Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 2% THD (Full Linear Load) ≤ 5% THD (Non-Linear Load)		
Waveform	Pure Sine Wave		
Overload Capability	10 min @ 110-125% 1 min @ 125-150% 0.5 sec@ >150%		
Parallel configuration	Up to 8 UPS of same size Parallel port built-in		
TRANSFER TIME			
AC to DC	Zero		
Inverter to Bypass	Zero		
Inverter to ECO	Zero		
ECO to Inverter	<10ms		
BATTERY			
Type	12V		
Quantity	Housing space for 60 pcs	60 pcs	External battery solution
Charging Current	± 4.5A		
BYPASS			
Static Bypass	Yes		
MBS	Yes		
CONNECTIONS			
Communications	RS-232, RS-485		
Outlets	Terminal outlet		
Intelligent Slot	Yes		
AS-400 Slot	Yes		
EPO (Emergency Power Off)	Yes		
REQUIREMENTS AND SOFTWARE			
Software	Winpower		
PRODUCT DETAILS			
Dimensions			
Depth x Width x Height (mm)	700 x 420 x 1245	700 x 420 x 1245	643 x 420 x 956
Weight	120kg	272kg	82kg
Noise Level	< 55dB @ 1 Meter		
	20 - 90% (non-condensing) at 0°C – 40°C	0 - 95% (non-condensing) at 0°C – 45°C	

MODEL	VFI 30000 3/3 BE	VFI 30000 3/3 BI	VFI 30000 3/3 BX
Power	30000VA / 24000W	30000VA / 24000W	30000VA / 24000W
INPUT			
Voltage	400 Vac (L-L), 230 Vac (L-N)		
Voltage Range	285-475VAC @ Full Load 210-475VAC @ <70% Load		
Phase	3-Phase + Neutral + Ground		
Dual-line Input	Yes		
THDi	<5%		
Frequency Range	40-70Hz (self-adaptive to 50Hz/60Hz)		
Power Factor	≥ 0.99		
Generator Set	2.2 x UPS Rating Power		
OUTPUT			
Voltage	346/360/380/400/416VAC Derating 10% with 346/360VAC		
Frequency (Synchronized Range)	46-54Hz/56-64Hz		
Frequency (Battery Mode)	50/60Hz ± 0.05Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 2% THD (Full Linear Load) ≤ 5% THD (Non-Linear Load)		
Waveform	Pure Sine Wave		
Overload Capability	10 min @ 110-125% 1 min @ 125-150% 0.5 sec@ >150%		
Parallel configuration	Up to 8 UPS of same size Parallel port built-in		
TRANSFER TIME			
AC to DC	Zero		
Inverter to Bypass	Zero		
Inverter to ECO	Zero		
ECO to Inverter	<10ms		
BATTERY			
Type	12V		
Quantity	Housing space for 128 pcs	128 pcs	External battery solution
Charging Current	± 4.5A		
BYPASS			
Static Bypass	Yes		
MBS	Yes		
CONNECTIONS			
Communications	RS-232, RS-485		
Outlets	Terminal outlet		
Intelligent Slot	Yes		
AS-400 Slot	Yes		
EPO (Emergency Power Off)	Yes		
REQUIREMENTS AND SOFTWARE			
Software	Winpower		
PRODUCT DETAILS			
Dimensions Depth x Width x Height (mm)	700 x 470 x 1752,5	700 x 470 x 1752,5	710 x 470 x 1150
Weight	195kg	515kg	110kg
Noise Level	< 55dB @ 1 Meter		
	20 - 90% (non-condensing) at 0°C – 40°C	0 - 95% (non-condensing) at 0°C – 45°C	

VFI Tower VFI 40000TP 3/3

On-Line 3-3

VFI 3/3 phase accessories and battery packs

MODEL	VFI 40000 3/3 BE	VFI 40000 3/3 BI	VFI 40000 3/3 BX
Power	20000VA / 16000W	20000VA / 16000W	20000VA / 16000W
INPUT			
Voltage	400 Vac (L-L), 230 Vac (L-N)		
Voltage Range	285-475VAC @ Full Load 210-475VAC @ <70% Load		
Phase	3-Phase + Neutral + Ground		
Dual-line Input	Yes		
THDi	<5%		
Frequency Range	40-70Hz (self-adaptive to 50Hz/60Hz)		
Power Factor	≥ 0.99		
Generator Set	2.2 x UPS Rating Power		
OUTPUT			
Voltage	346/360/380/400/416VAC Derating 10% with 346/360VAC		
Frequency (Synchronized Range)	46-54Hz/56-64Hz		
Frequency (Battery Mode)	50/60Hz ± 0.05Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 2% THD (Full Linear Load) ≤ 5% THD (Non-Linear Load)		
Waveform	Pure Sine Wave		
Overload Capability	10 min @ 110-125% 1 min @ 125-150% 0.5 sec@ >150%		
Parallel configuration	Up to 8 UPS of same size Parallel port built-in		
TRANSFER TIME			
AC to DC	Zero		
Inverter to Bypass	Zero		
Inverter to ECO	Zero		
ECO to Inverter	<10ms		
BATTERY			
Type		12V	
Quantity	Housing space for 128 pc	128 pc	External battery solution
Charging Current	± 4.5A		
BYPASS			
Static Bypass	Yes		
MBS	Yes		
CONNECTIONS			
Communications	RS-232, RS-485		
Outlets	Terminal outlet		
Intelligent Slot	Yes		
AS-400 Slot	Yes		
EPO (Emergency Power Off)	Yes		
REQUIREMENTS AND SOFTWARE			
Software	Winpower		
PRODUCT DETAILS			
Dimensions	700 x 470 x 1752,5		710 x 470 x 1150
Depth x Width x Height (mm)			
Weight	195kg	515kg	114kg
Noise Level	< 55dB @ 1 Meter		
	20 - 90% (non-condensing) at 0°C – 40°C	0 - 95% (non-condensing) at 0°C – 45°C	

**3-1 Phase Expanding Autonomy**

Extend the Autonomy of your facilities in case of power outage by connecting one or more additional battery packs. The Battery Pack is configurable depending on the desired increased autonomy. The Battery Pack are specifically configured for PowerWalker VFI 3-1 Series.

**NMC card**

The SNMP communication module enables monitoring, management and maintenance of the UPS PowerWalker from anywhere in the world, with only a computer with Internet access. The VFI Series of PowerWalker have the Intelligent Slot for inserting the card.



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